

V12

FIG. 1

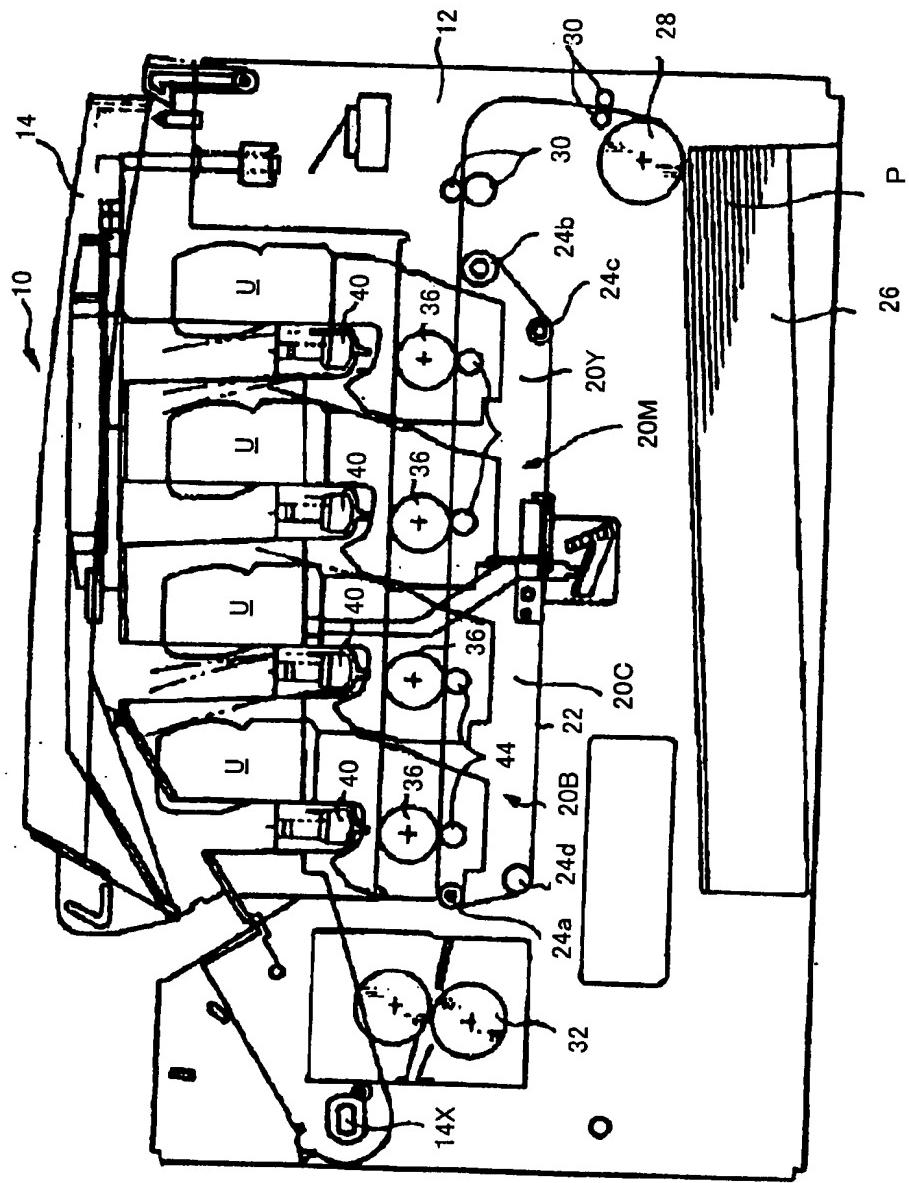


FIG. 2

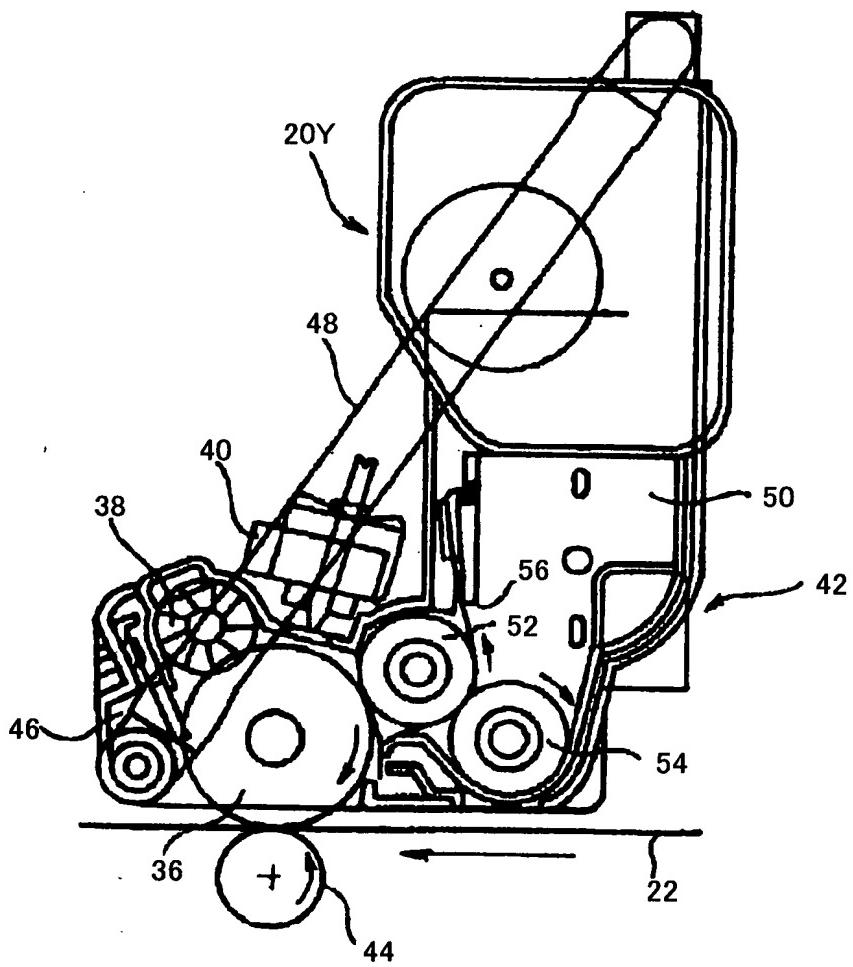
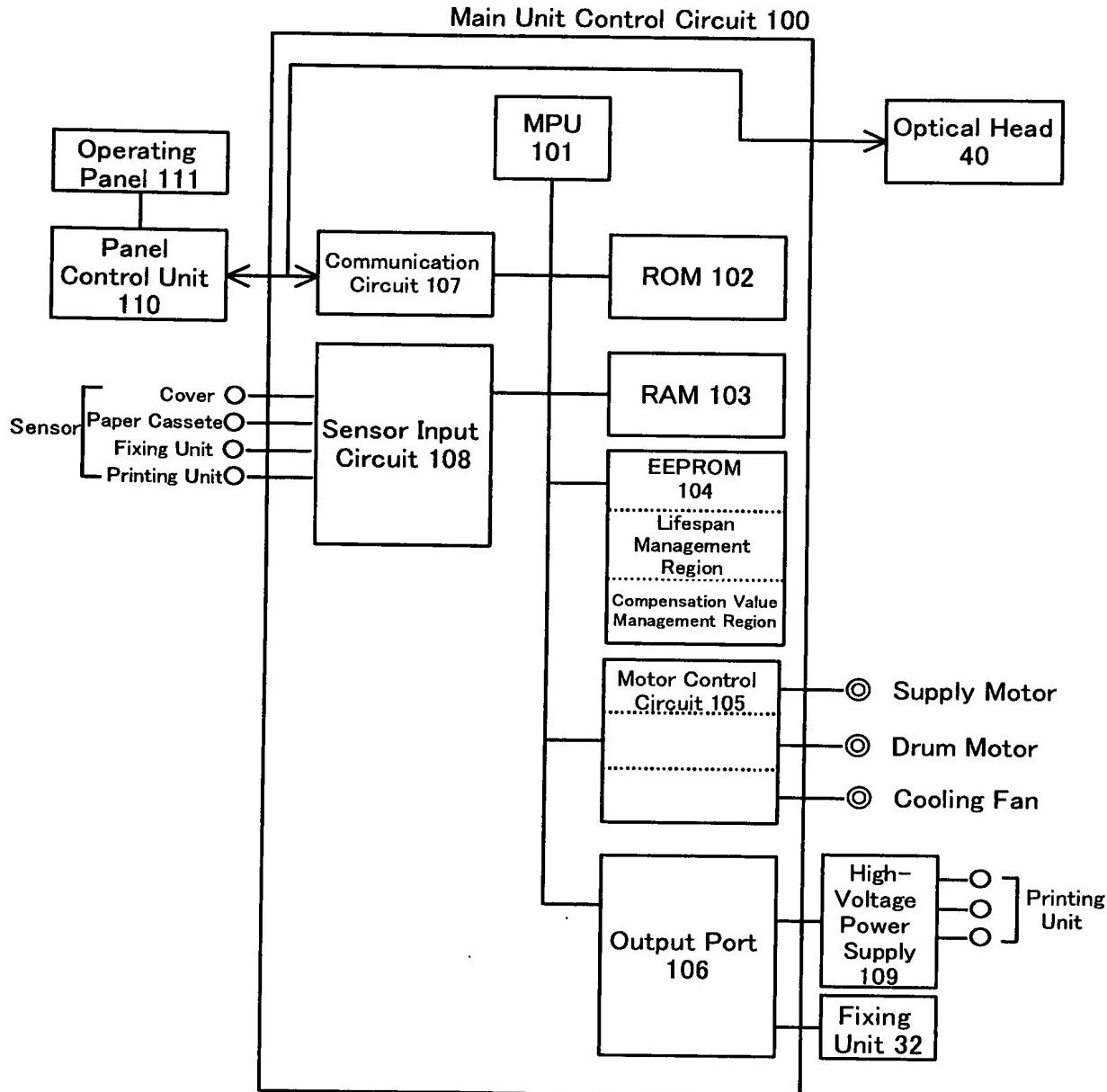


FIG. 3



Initial ($0 \times M + 0$)

	Value
Total Print Number Count (Upper) 1	0
Total Print Number Count (Upper) 2	0
Total Print Number Count (Upper) 3	0
Total Print Number Count (Lower) 0	0
Total Print Number Count (Lower) 1	0
:	
Total Print Number Count (Lower) N	0

FIG. 4A

After Printing One Copy ($0 \times M + 1$)

	Value
Total Print Number Count (Upper) 1	0
Total Print Number Count (Upper) 2	0
Total Print Number Count (Upper) 3	0
Total Print Number Count (Lower) 0	1
Total Print Number Count (Lower) 1	0
:	
Total Print Number Count (Lower) N	0

FIG. 4B

After Printing $M-1$ Copies ($0 \times M + (M-1)$)

	Value
Total Print Number Count (Upper) 1	0
Total Print Number Count (Upper) 2	0
Total Print Number Count (Upper) 3	0
Total Print Number Count (Lower) 0	<u>M-1</u>
Total Print Number Count (Lower) 1	0
:	
Total Print Number Count (Lower) N	0

FIG. 4C

After Printing M Copies ($1 \times M + 0$)

	Value
Total Print Number Count (Upper) 1	1
Total Print Number Count (Upper) 2	1
Total Print Number Count (Upper) 3	1
Total Print Number Count (Lower) 0	0
Total Print Number Count (Lower) 1	0
:	
Total Print Number Count (Lower) N	0

FIG. 4D

After Printing $N \times M-1$ Copies

	Value
Total Print Number Count (Upper) 1	<u>N-1</u>
Total Print Number Count (Upper) 2	<u>N-1</u>
Total Print Number Count (Upper) 3	<u>N-1</u>
Total Print Number Count (Lower) 0	0
Total Print Number Count (Lower) 1	0
:	
Total Print Number Count (Lower) N	<u>M-1</u>

FIG. 4E

After Printing $N \times M$ Copies

	Value
Total Print Number Count (Upper) 1	<u>N</u>
Total Print Number Count (Upper) 2	<u>N</u>
Total Print Number Count (Upper) 3	<u>N</u>
Total Print Number Count (Lower) 0	0
Total Print Number Count (Lower) 1	0
:	
Total Print Number Count (Lower) N	0

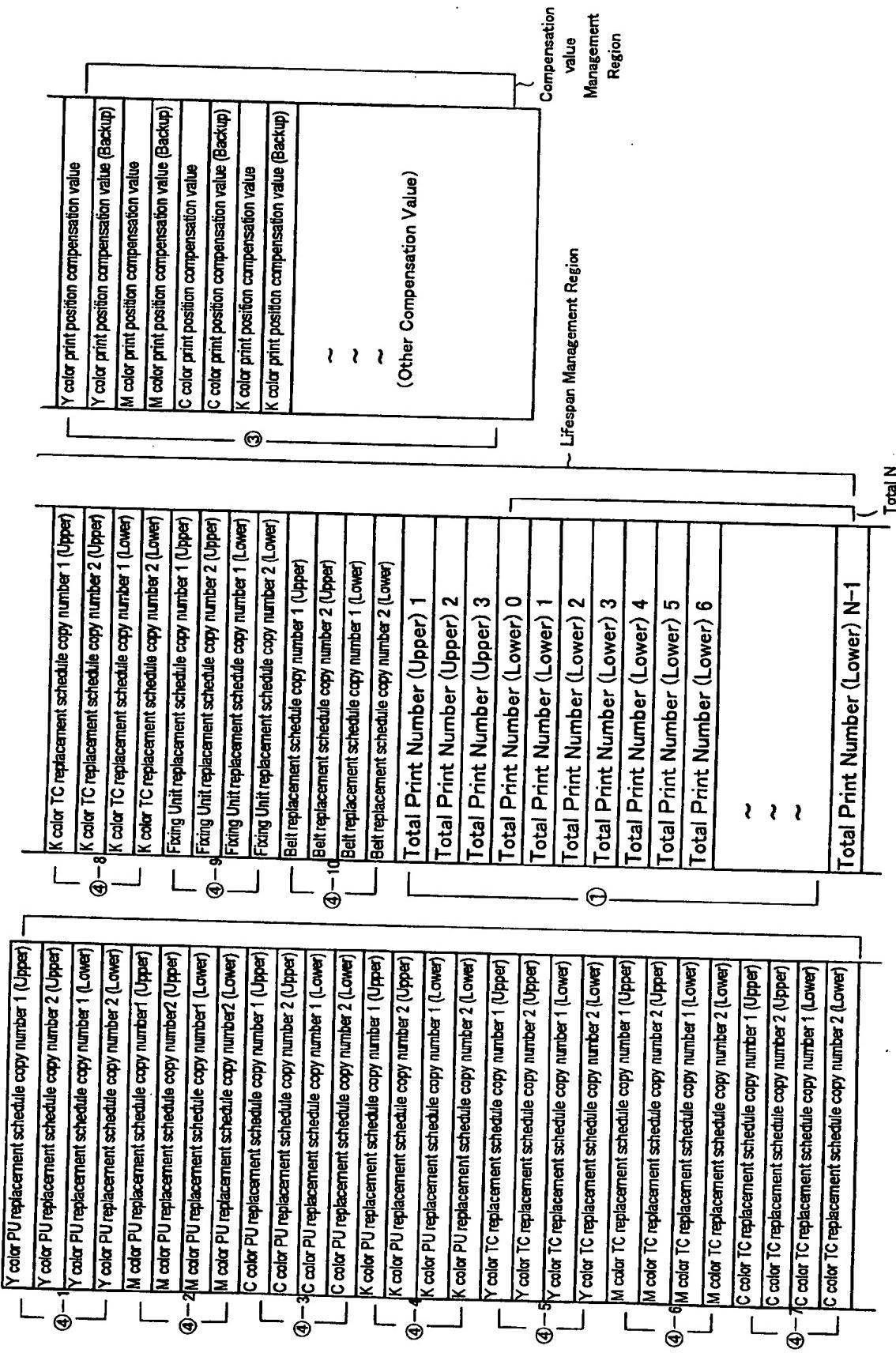
FIG. 4F

FIG. 5

Print Number	Total Print Number Counter (Lower)							
	0	1	2	3	4	5	~	N-1
M × 0 ~ M × 1 - 1	O							
M × 1 ~ M × 2 - 1		O						
M × 2 ~ M × 3 - 1			O					
M × 3 ~ M × 4 - 1				O				
M × 4 ~ M × 5 - 1					O			
M × 5 ~ M × 6 - 1						O		
~							~	
M × (N-1) ~ M × N - 1								O
M × N ~ M × (N+1) - 1	O							
M × (N+1) ~ M × (N+2) - 1		O						
M × (N+2) ~ M × (N+3) - 1			O					
M × (N+3) ~ M × (N+4) - 1				O				
M × (N+4) ~ M × (N+5) - 1					O			
M × (N+5) ~ M × (N+6) - 1						O		
~							~	
M × (N+N-1) ~ M × (N+N) - 1								O
M × (N+N) ~ M × (N+N+1) - 1	O							

00000000000000000000000000000000

FIG. 6



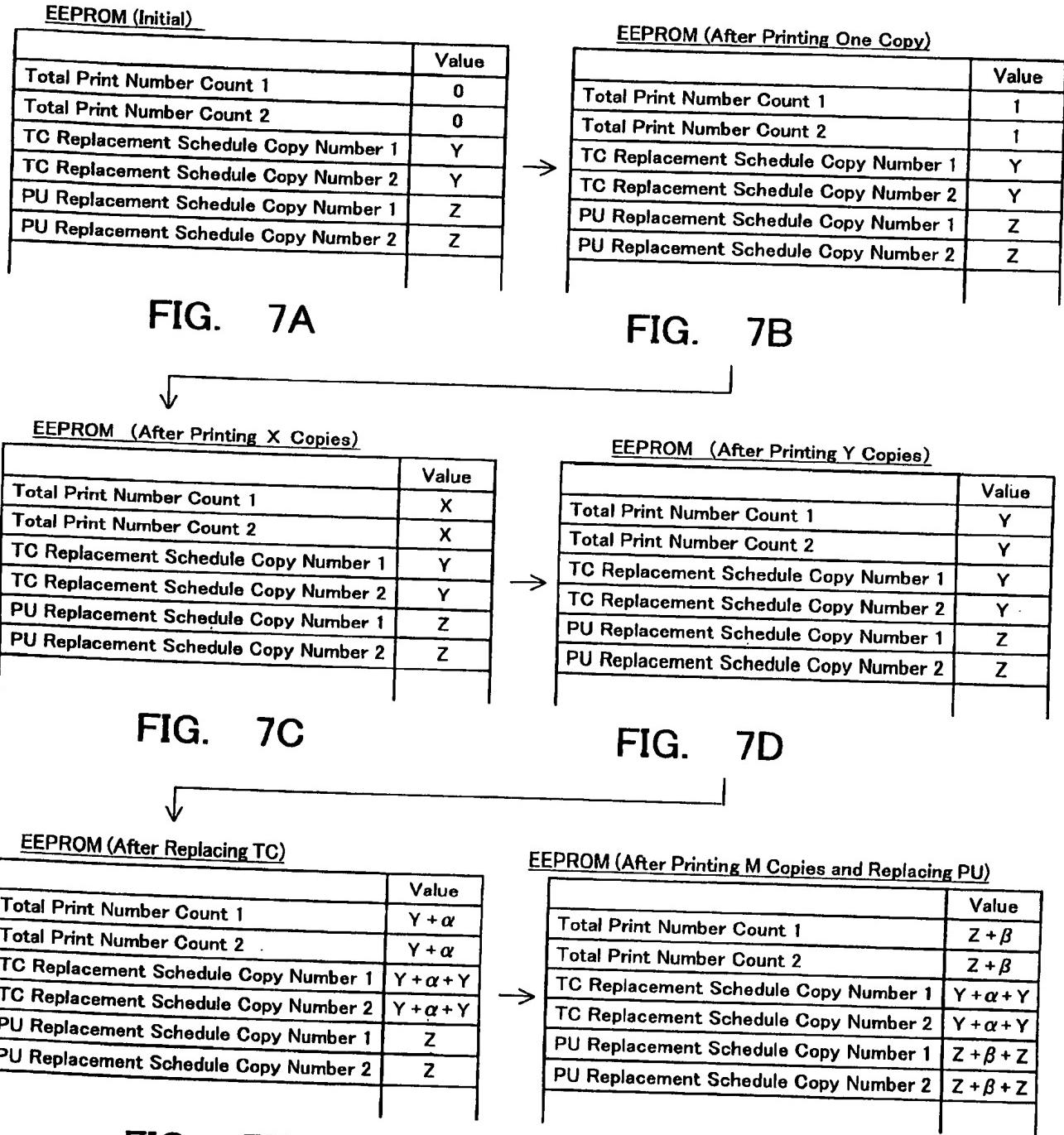


FIG. 8

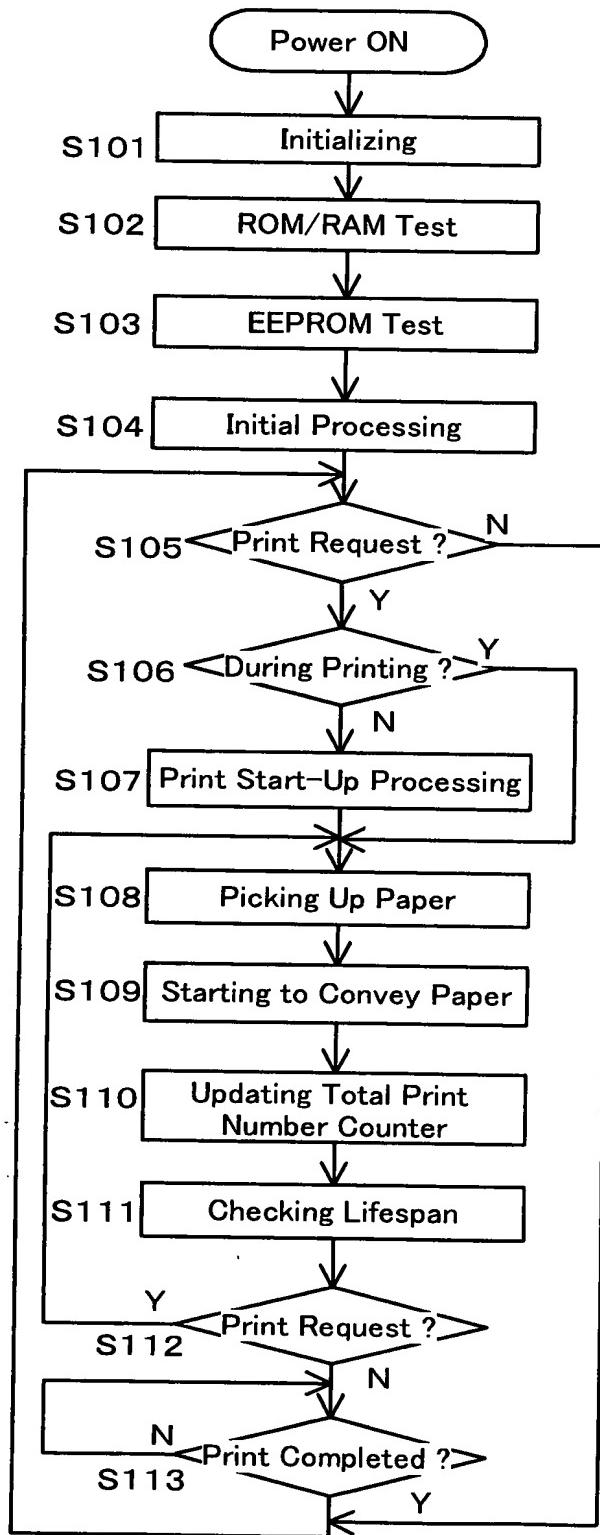


FIG. 9

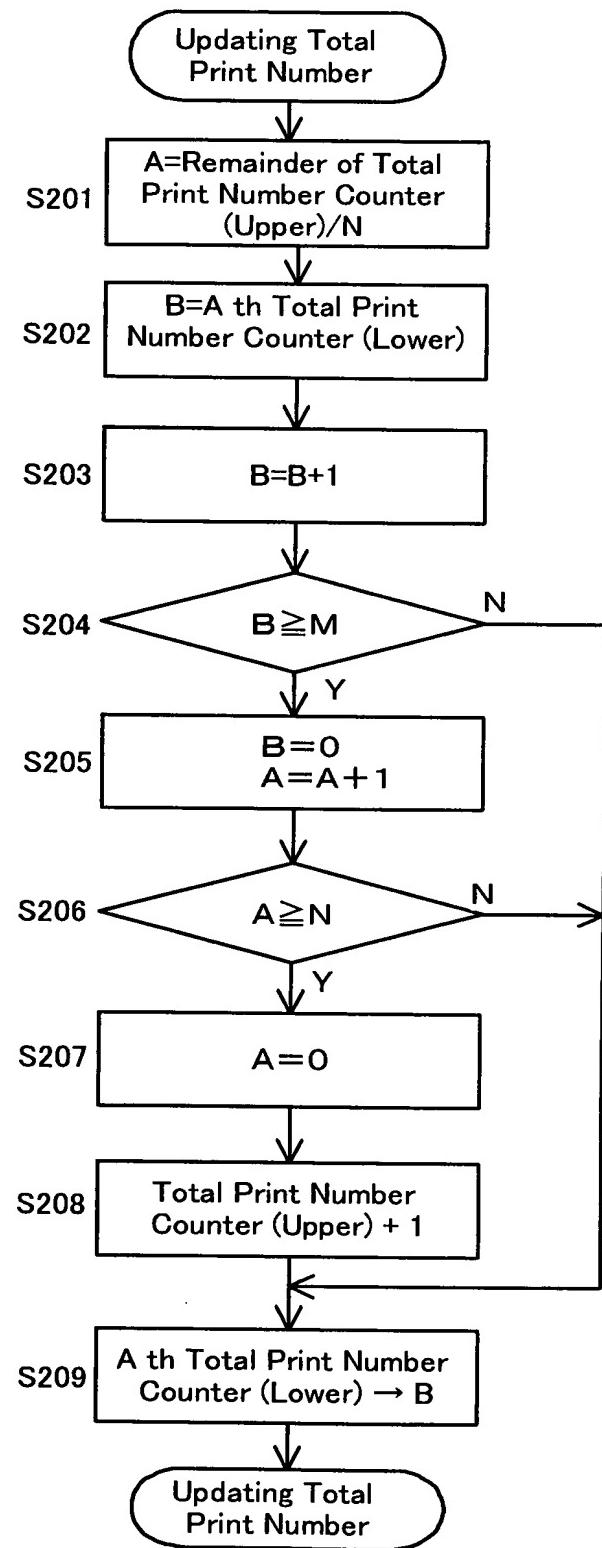


FIG. 10

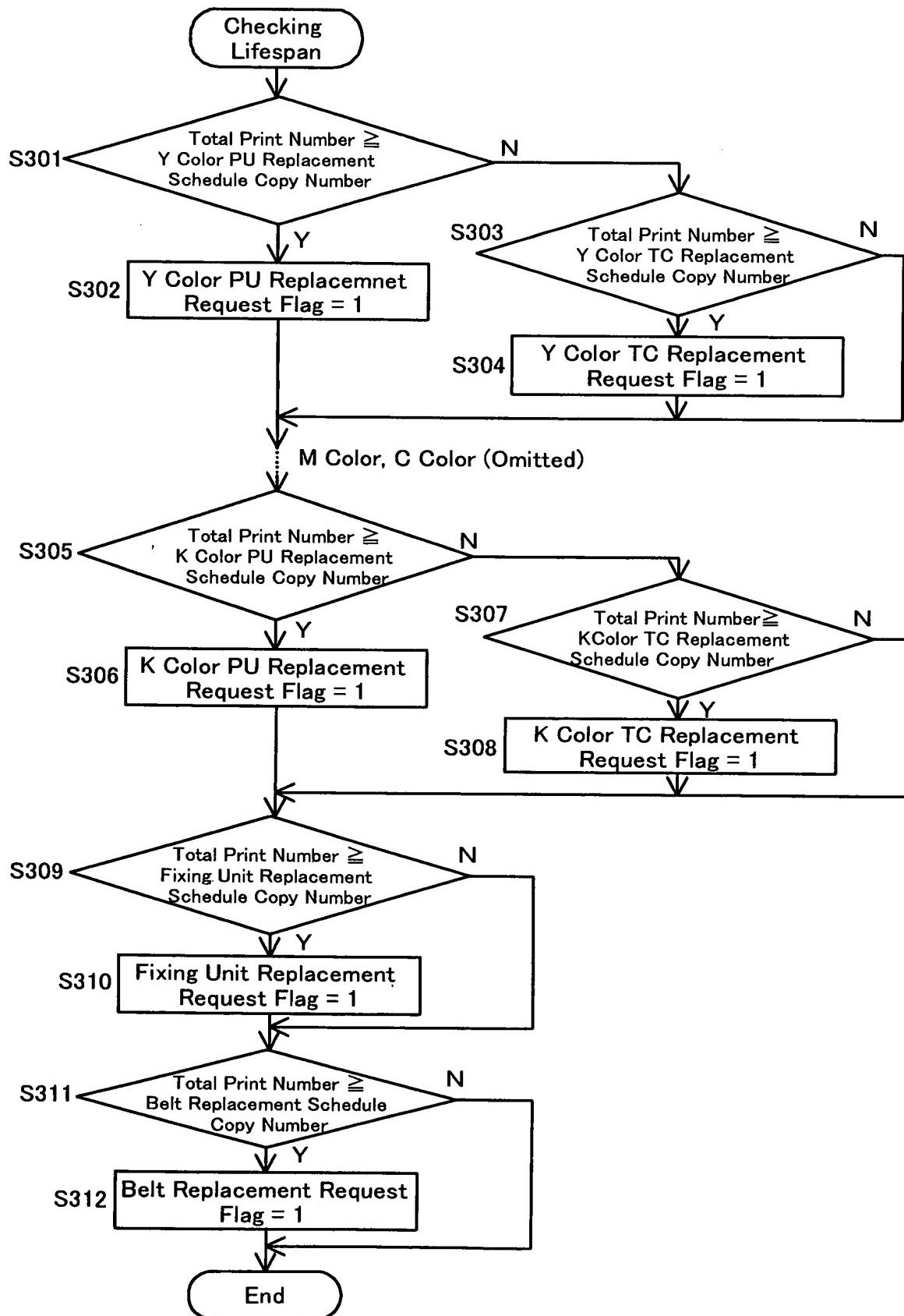
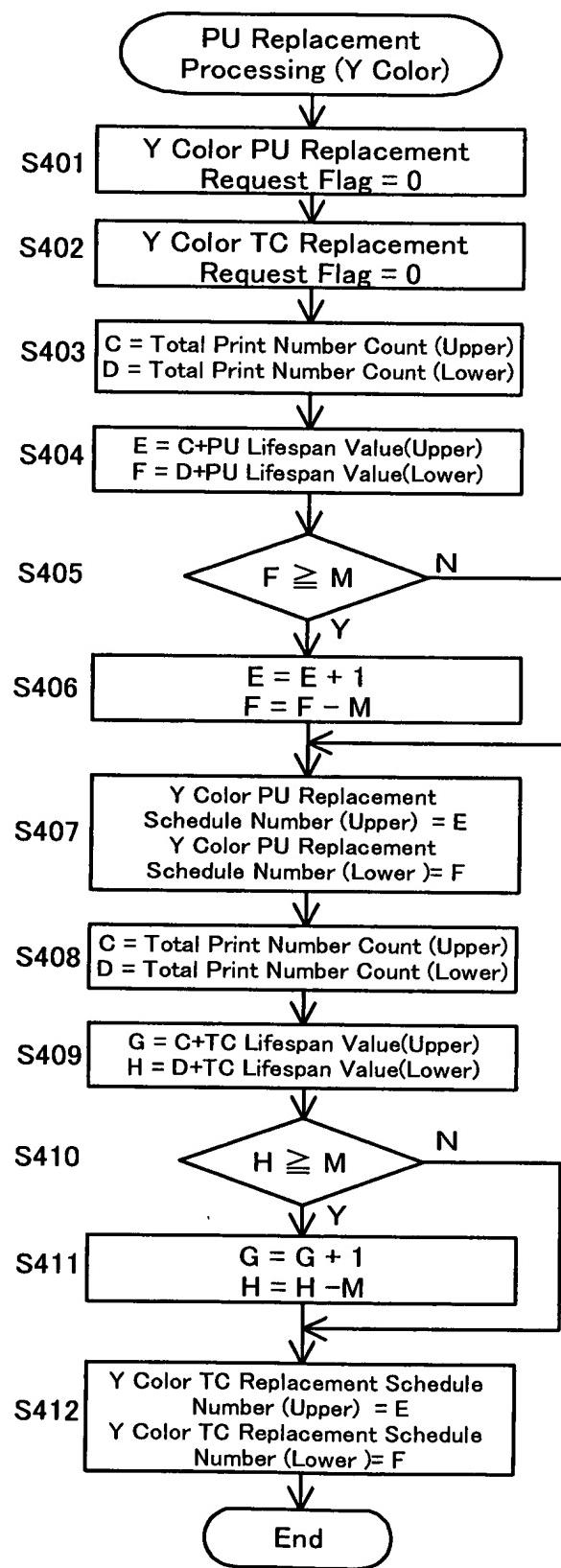


FIG. 11



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FIG. 12

